

Fig. 1

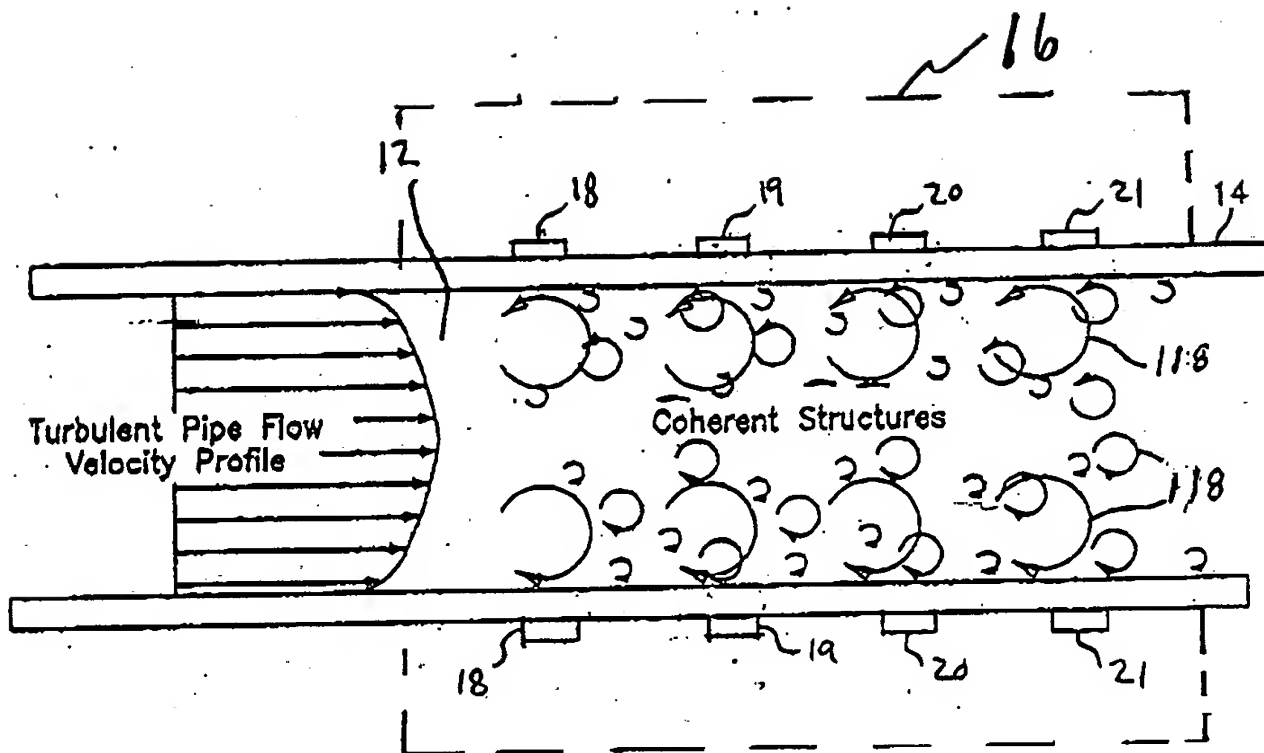


FIGURE 2

STEPS —
PERFORMED
BY
ARRAY
PROCESSOR 36

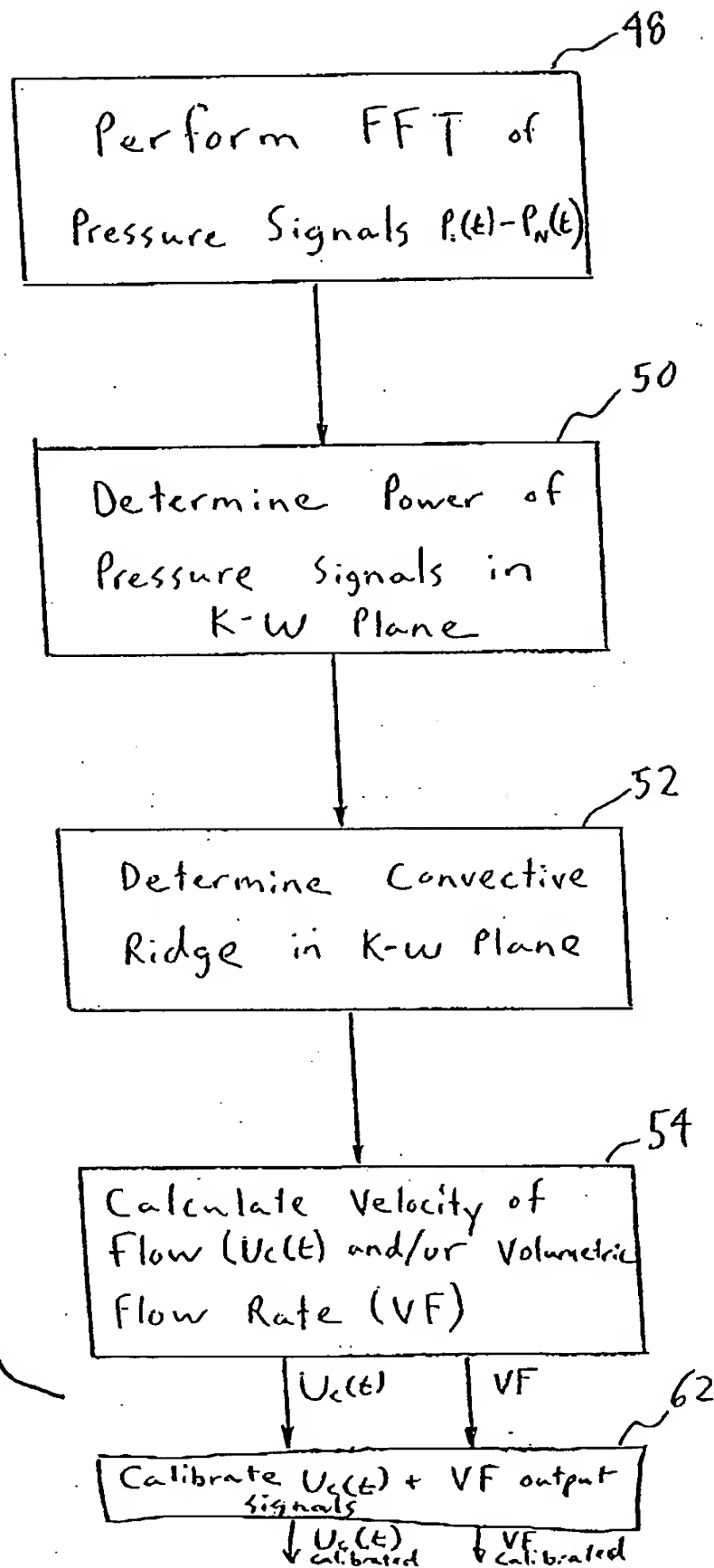


Fig. 3

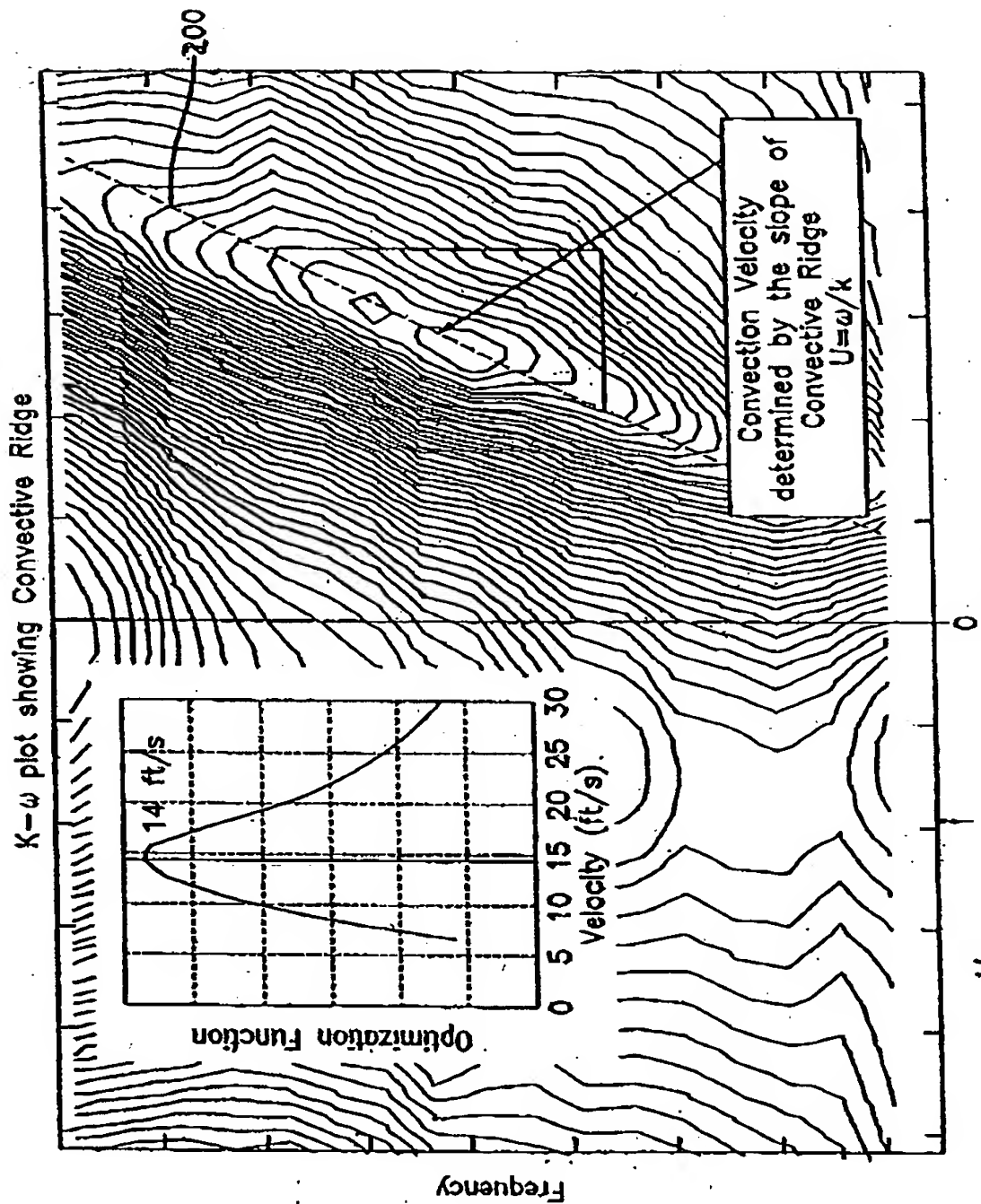


Figure 4: K- ω plot generated from an array of 5 unsteady pressure transducers listening to water flowing in a 6 inch pipe at ~ 1000 gpm

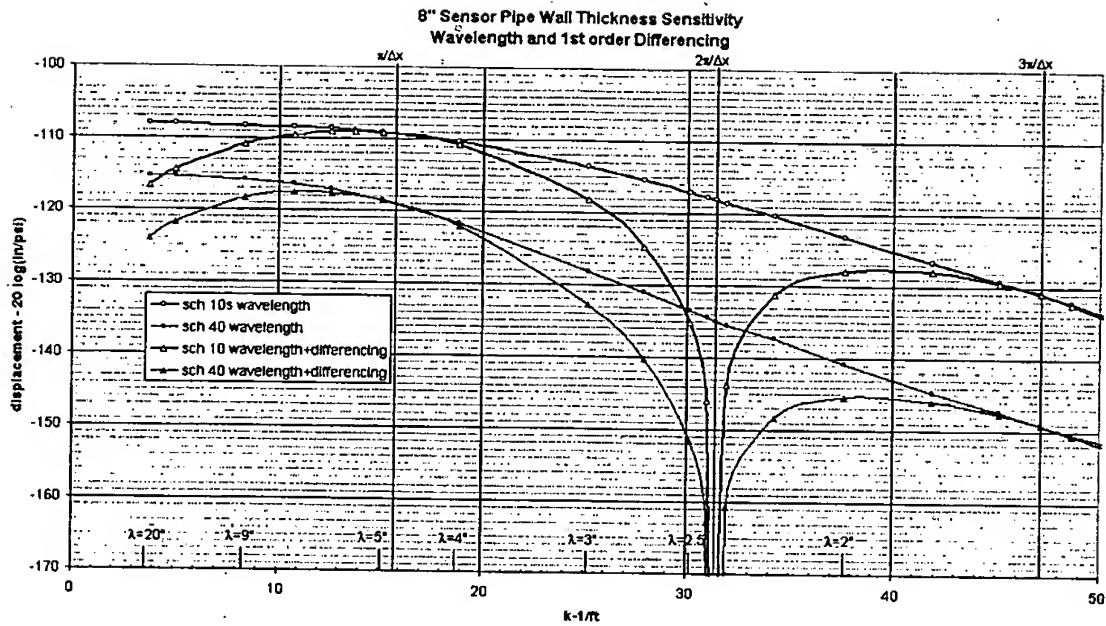


Fig. 5

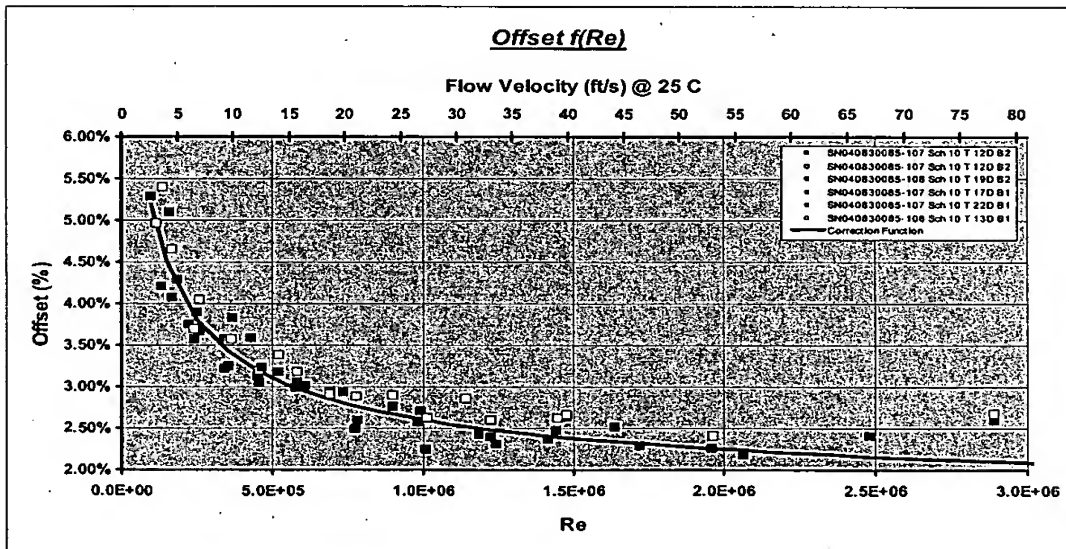


Fig. 6

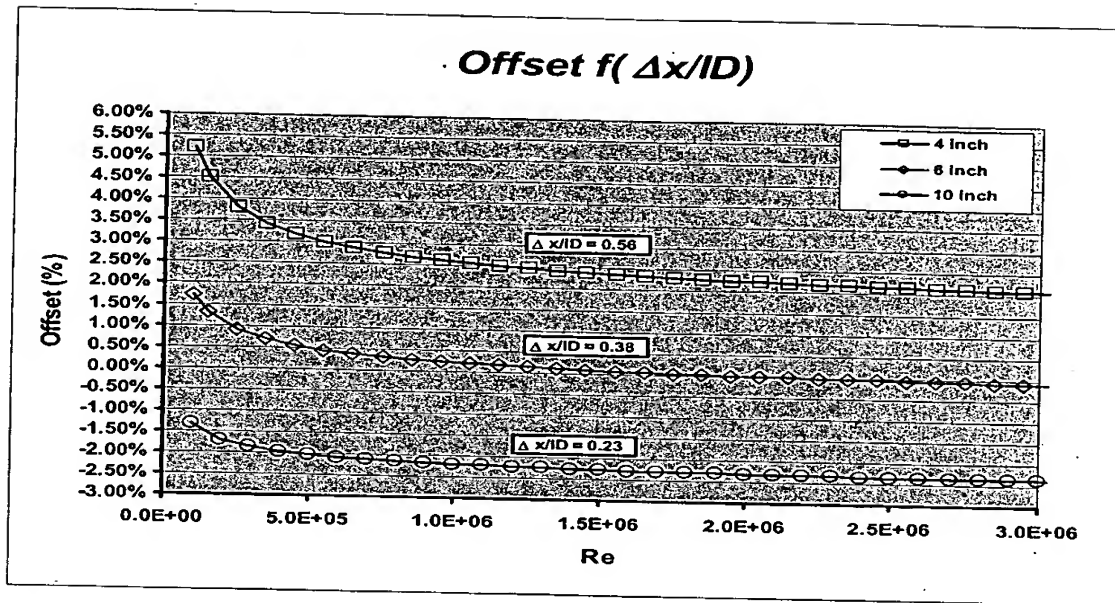


Fig. 7

Dimensional k- ω plot

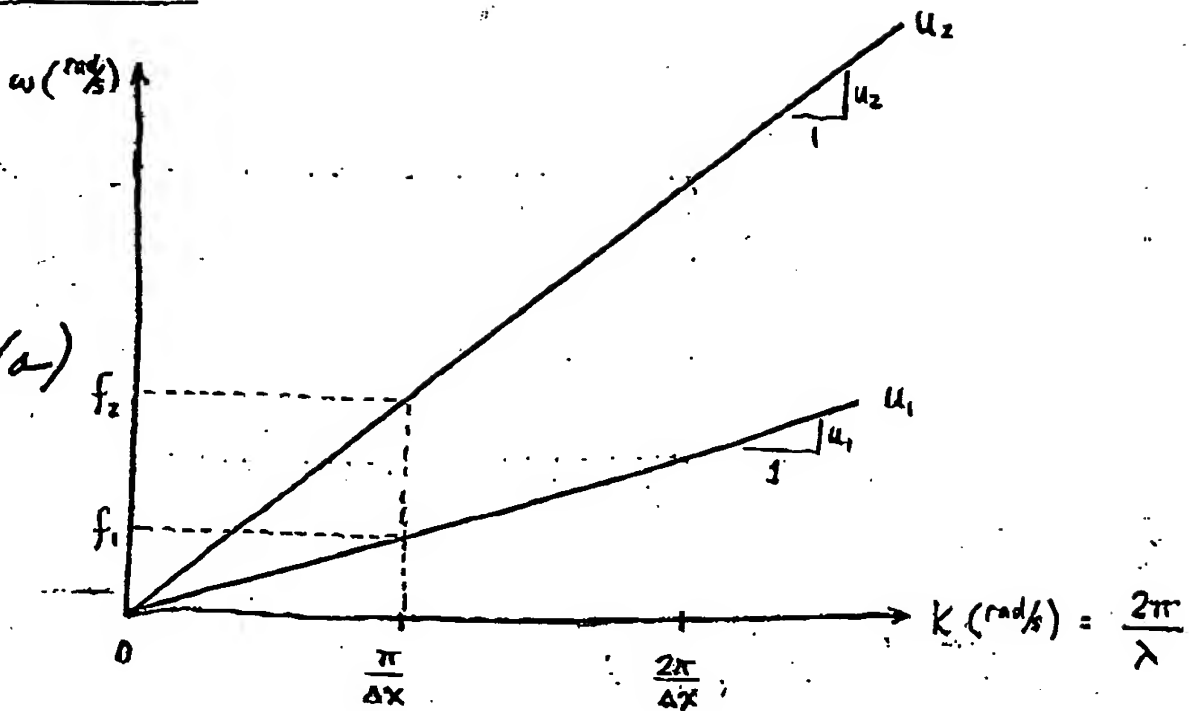


FIG. 8(a)

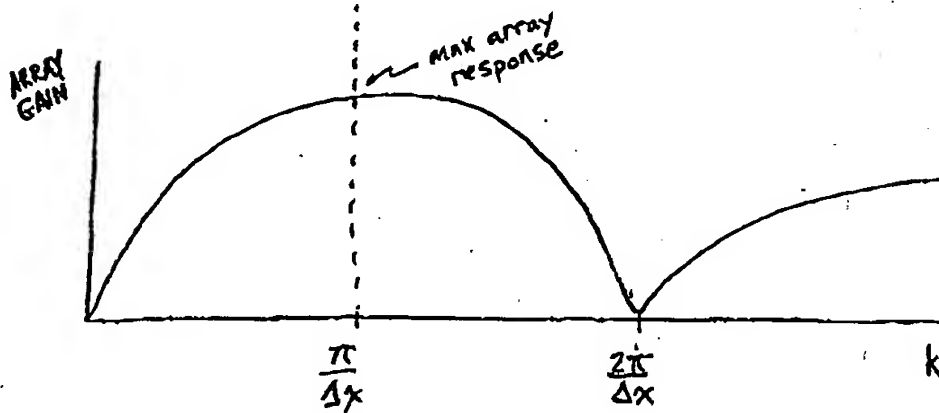


FIG. 8(b)

Non-Dimensional k- ω plot

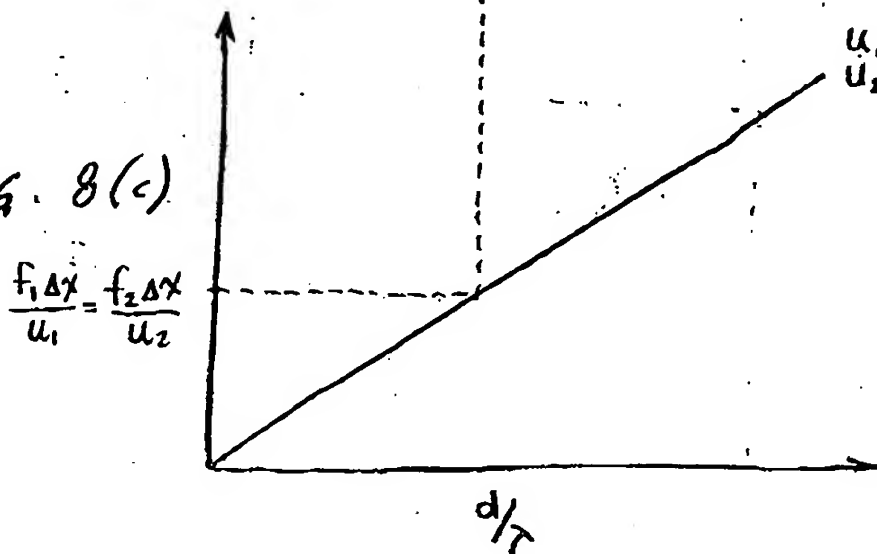


FIG. 8(c)

FIG. 8

Fig-
5



Sch		Sch		Sch		Sch		Sch		Sch		Sch		Sch	
10	40	10	40	10	40	10	40	10	40	10	40	10	40	10	40
ID		delX/id	ID	delX/id		C ₂		C ₂		C ₁		C ₁		C ₀	
4.2900		55.94%	4.1030	58.49%		0.50		0.50		11.00		12.00		0.0150	
6.4000		37.50%	6.1040	39.32%		0.50		0.46		8.00		6.50		-0.0060	
8.3300		28.81%	8.0700	29.74%		0.50		0.36		5.80		2.80		-0.0100	
10.4450		22.98%	10.1110	23.74%		0.50		0.20		4.00		0.40		-0.0257	